



Atty. Docket No.: WEAT/0527

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

**In re Application of:  
William Banning Vail, II**

Serial No.: 10/729,510

Confirmation No.: Unknown

Filed: December 5, 2003

For: METHODS AND APPARATUS  
FOR CEMENTING DRILL  
STRINGS IN PLACE FOR ONE  
PASS DRILLING AND  
COMPLETION OF OIL AND  
GAS WELLS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Group Art Unit: Unknown  
Examiner: Unknown  
Customer No.: 36735

**CERTIFICATE OF MAILING**  
**37 CFR 1.8**

Dear Sir:

# **INFORMATION DISCLOSURE STATEMENT**

The Applicants, and the Attorney who signs below on the basis of the information supplied by the inventor and the information in his file, submit herewith patents, publications, or other information of which they are aware, which may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR § 1.56.

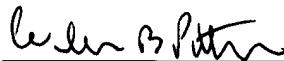
While the information submitted in this Information Disclosure Statement may be material pursuant to 37 CFR § 1.56, it is not intended to constitute an admission that any patent, publication, or other information referred to therein is prior art for this invention unless specifically designated as such.

In accordance with 37 CFR § 1.97, this Information Disclosure Statement is not to be construed as a representation that a search has been made or that no other possibly material information as defined under 37 CFR § 1.56(a) exists.

The patents and/or publications submitted herewith are set forth on the attached Form PTO-1449.

Applicants believe that no fee is due with this submission. However, if the sum of \$180.00 is due under 37 CFR § 1.17(p) pursuant to § 1.97, the Commissioner is hereby authorized to charge this fee, and any other fee necessary to make this submission timely, to the Deposit Account No. 20-0782/WEAT/0527/WBP.

Respectfully submitted,



---

William B. Patterson  
Registration No. 34,102  
MOSER, PATTERSON & SHERIDAN, L.L.P.  
3040 Post Oak Blvd. Suite 1500  
Houston, TX 77056  
Telephone: (713) 623-4844  
Facsimile: (713) 623-4846  
Attorney for Applicant(s)

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. WEAT/0527	Serial No. 10/729,510																																																																																																																																																																																																																																
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>					Applicant William Banning Vail, III	Confirmation No.: Unknown																																																																																																																																																																																																																																
(Use several sheets if necessary)					Filing Date 12/05/2003	Group 3672																																																																																																																																																																																																																																
<p style="text-align: center;"><b>U.S. Patent Documents</b></p> <table border="1"> <thead> <tr> <th>*Examiner Initial</th> <th></th> <th>Document Number</th> <th>Issue Date</th> <th>Applicant(s) Name</th> <th>Class</th> <th>Subclass</th> <th>Filing Date If Appropriate</th> </tr> </thead> <tbody> <tr><td></td><td>A1</td><td>6,591,471</td><td>07-15-2003</td><td>Hollingsworth et al.</td><td>29</td><td>407.09</td><td></td></tr> <tr><td></td><td>A2</td><td>6,554,064</td><td>04-29-2003</td><td>Restarick et al.</td><td>166</td><td>250.01</td><td></td></tr> <tr><td></td><td>A3</td><td>6,543,538</td><td>04-08-2003</td><td>Tolman et al.</td><td>166</td><td>284</td><td></td></tr> <tr><td></td><td>A4</td><td>6,538,576</td><td>03-25-2003</td><td>Schultz et al.</td><td>340</td><td>859.6</td><td></td></tr> <tr><td></td><td>A5</td><td>6,536,522</td><td>03-25-2003</td><td>Birckhead et al.</td><td>166</td><td>250.15</td><td></td></tr> <tr><td></td><td>A6</td><td>6,536,520</td><td>03-25-2003</td><td>Snider et al.</td><td>166</td><td>78.1</td><td></td></tr> <tr><td></td><td>A7</td><td>6,527,064</td><td>03-04-2003</td><td>Hallundbaek</td><td>175</td><td>320</td><td></td></tr> <tr><td></td><td>A8</td><td>6,527,047</td><td>03-04-2003</td><td>Pietras</td><td>166</td><td>77.51</td><td></td></tr> <tr><td></td><td>A9</td><td>6,509,301</td><td>01-21-2003</td><td>Vollmer</td><td>507</td><td>236</td><td></td></tr> <tr><td></td><td>A10</td><td>6,497,280</td><td>12-24-2002</td><td>Beck et al.</td><td>166</td><td>250.07</td><td></td></tr> <tr><td></td><td>A11</td><td>6,484,818</td><td>11-26-2002</td><td>Alft et al.</td><td>175</td><td>45</td><td></td></tr> <tr><td></td><td>A12</td><td>6,464,004</td><td>10-15-2002</td><td>Crawford et al.</td><td>166</td><td>250.01</td><td></td></tr> <tr><td></td><td>A13</td><td>6,443,247</td><td>09-03-2002</td><td>Wardley</td><td>175</td><td>402</td><td></td></tr> <tr><td></td><td>A14</td><td>6,443,241</td><td>09-03-2002</td><td>Juhasz et al.</td><td>175</td><td>52</td><td></td></tr> <tr><td></td><td>A15</td><td>6,427,776</td><td>08-06-2002</td><td>Hoffman et al.</td><td>166</td><td>311</td><td></td></tr> <tr><td></td><td>A16</td><td>6,419,033</td><td>07-16-2002</td><td>Hahn et al.</td><td>176</td><td>61</td><td></td></tr> <tr><td></td><td>A17</td><td>6,419,014</td><td>07-16-2002</td><td>Meek et al.</td><td>166</td><td>255.2</td><td></td></tr> <tr><td></td><td>A18</td><td>6,412,574</td><td>07-02-2002</td><td>Wardley et al.</td><td>175</td><td>7</td><td></td></tr> <tr><td></td><td>A19</td><td>6,412,554</td><td>07-02-2002</td><td>Allen et al.</td><td>166</td><td>80.1</td><td></td></tr> <tr><td></td><td>A20</td><td>6,408,943</td><td>06-25-2002</td><td>Schultz et al.</td><td>166</td><td>285</td><td></td></tr> <tr><td></td><td>A21</td><td>6,405,798</td><td>06-18-2002</td><td>Barrett et al.</td><td>166</td><td>250.01</td><td></td></tr> <tr><td></td><td>A22</td><td>6,397,946</td><td>06-04-2002</td><td>Vail, III</td><td>166</td><td>250.01</td><td></td></tr> <tr><td></td><td>A23</td><td>6,378,633</td><td>04-30-2002</td><td>Moore et al.</td><td>175</td><td>325.5</td><td></td></tr> <tr><td></td><td>A24</td><td>6,378,630</td><td>04-30-2002</td><td>Ritorto et al.</td><td>175</td><td>173</td><td></td></tr> <tr><td></td><td>A25</td><td>6,378,627</td><td>04-30-2002</td><td>Tubel et al.</td><td>175</td><td>24</td><td></td></tr> <tr><td></td><td>A26</td><td>6,374,924</td><td>04-23-2002</td><td>Hanton et al.</td><td>176</td><td>6</td><td></td></tr> <tr><td></td><td>A27</td><td>6,371,203</td><td>04-16-2002</td><td>Frank et al.</td><td>166</td><td>207</td><td></td></tr> </tbody> </table>							*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate		A1	6,591,471	07-15-2003	Hollingsworth et al.	29	407.09			A2	6,554,064	04-29-2003	Restarick et al.	166	250.01			A3	6,543,538	04-08-2003	Tolman et al.	166	284			A4	6,538,576	03-25-2003	Schultz et al.	340	859.6			A5	6,536,522	03-25-2003	Birckhead et al.	166	250.15			A6	6,536,520	03-25-2003	Snider et al.	166	78.1			A7	6,527,064	03-04-2003	Hallundbaek	175	320			A8	6,527,047	03-04-2003	Pietras	166	77.51			A9	6,509,301	01-21-2003	Vollmer	507	236			A10	6,497,280	12-24-2002	Beck et al.	166	250.07			A11	6,484,818	11-26-2002	Alft et al.	175	45			A12	6,464,004	10-15-2002	Crawford et al.	166	250.01			A13	6,443,247	09-03-2002	Wardley	175	402			A14	6,443,241	09-03-2002	Juhasz et al.	175	52			A15	6,427,776	08-06-2002	Hoffman et al.	166	311			A16	6,419,033	07-16-2002	Hahn et al.	176	61			A17	6,419,014	07-16-2002	Meek et al.	166	255.2			A18	6,412,574	07-02-2002	Wardley et al.	175	7			A19	6,412,554	07-02-2002	Allen et al.	166	80.1			A20	6,408,943	06-25-2002	Schultz et al.	166	285			A21	6,405,798	06-18-2002	Barrett et al.	166	250.01			A22	6,397,946	06-04-2002	Vail, III	166	250.01			A23	6,378,633	04-30-2002	Moore et al.	175	325.5			A24	6,378,630	04-30-2002	Ritorto et al.	175	173			A25	6,378,627	04-30-2002	Tubel et al.	175	24			A26	6,374,924	04-23-2002	Hanton et al.	176	6			A27	6,371,203	04-16-2002	Frank et al.	166	207	
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate																																																																																																																																																																																																																															
	A1	6,591,471	07-15-2003	Hollingsworth et al.	29	407.09																																																																																																																																																																																																																																
	A2	6,554,064	04-29-2003	Restarick et al.	166	250.01																																																																																																																																																																																																																																
	A3	6,543,538	04-08-2003	Tolman et al.	166	284																																																																																																																																																																																																																																
	A4	6,538,576	03-25-2003	Schultz et al.	340	859.6																																																																																																																																																																																																																																
	A5	6,536,522	03-25-2003	Birckhead et al.	166	250.15																																																																																																																																																																																																																																
	A6	6,536,520	03-25-2003	Snider et al.	166	78.1																																																																																																																																																																																																																																
	A7	6,527,064	03-04-2003	Hallundbaek	175	320																																																																																																																																																																																																																																
	A8	6,527,047	03-04-2003	Pietras	166	77.51																																																																																																																																																																																																																																
	A9	6,509,301	01-21-2003	Vollmer	507	236																																																																																																																																																																																																																																
	A10	6,497,280	12-24-2002	Beck et al.	166	250.07																																																																																																																																																																																																																																
	A11	6,484,818	11-26-2002	Alft et al.	175	45																																																																																																																																																																																																																																
	A12	6,464,004	10-15-2002	Crawford et al.	166	250.01																																																																																																																																																																																																																																
	A13	6,443,247	09-03-2002	Wardley	175	402																																																																																																																																																																																																																																
	A14	6,443,241	09-03-2002	Juhasz et al.	175	52																																																																																																																																																																																																																																
	A15	6,427,776	08-06-2002	Hoffman et al.	166	311																																																																																																																																																																																																																																
	A16	6,419,033	07-16-2002	Hahn et al.	176	61																																																																																																																																																																																																																																
	A17	6,419,014	07-16-2002	Meek et al.	166	255.2																																																																																																																																																																																																																																
	A18	6,412,574	07-02-2002	Wardley et al.	175	7																																																																																																																																																																																																																																
	A19	6,412,554	07-02-2002	Allen et al.	166	80.1																																																																																																																																																																																																																																
	A20	6,408,943	06-25-2002	Schultz et al.	166	285																																																																																																																																																																																																																																
	A21	6,405,798	06-18-2002	Barrett et al.	166	250.01																																																																																																																																																																																																																																
	A22	6,397,946	06-04-2002	Vail, III	166	250.01																																																																																																																																																																																																																																
	A23	6,378,633	04-30-2002	Moore et al.	175	325.5																																																																																																																																																																																																																																
	A24	6,378,630	04-30-2002	Ritorto et al.	175	173																																																																																																																																																																																																																																
	A25	6,378,627	04-30-2002	Tubel et al.	175	24																																																																																																																																																																																																																																
	A26	6,374,924	04-23-2002	Hanton et al.	176	6																																																																																																																																																																																																																																
	A27	6,371,203	04-16-2002	Frank et al.	166	207																																																																																																																																																																																																																																
Examiner					Date Considered																																																																																																																																																																																																																																	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. WEAT/0527	Serial No. 10/729,510	
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>					Applicant William Banning Vail, III	Confirmation No.: Unknown	
(Use several sheets if necessary)					Filing Date 12/05/2003	Group 3672	
					<b>U.S. Patent Documents</b>		
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A28	6,359,569	03-19-2002	Beck et al.	340	856.3	
	A29	6,357,485	03-19-2002	Quigley et al.	138	125	
	A30	6,354,373	03-12-2002	Vercaemer et al.	166	277	
	A31	6,347,674	02-19-2002	Bloom et al.	175	51	
	A32	6,343,649	02-05-2002	Beck et al.	166	250.01	
	A33	6,325,148	12-04-2001	Trahan et al.	166	297	
	A34	6,315,051	11-13-2001	Ayling	166	380	
	A35	6,311,792	11-06-2001	Scott et al.	175	162	
	A36	6,296,066	10-02-2001	Terry et al.	175	92	
	A37	6,273,189	08-14-2001	Gissler et al.	166	241.1	
	A38	6,263,987	07-24-2001	Vail, III	175	318	
	A39	6,257,332	07-10-2001	Vidrine et al.	166	250.15	
	A40	6,234,257	05-22-2001	Ciglenec et al.	175	50	
	A41	6,225,719	05-01-2001	Hallundbaek	310	90	
	A42	6,220,117	04-24-2001	Butcher	76	108.2	
	A43	6,206,112	03-27-2001	Dickinson, III et al.	175	67	
	A44	6,196,336	03-06-2001	Fincher et al.	175	101	
	A45	6,192,980	02-27-2001	Tubel et al.	166	65.1	
	A46	6,189,621	02-20-2001	Vail, III	166	385	
	A47	6,182,776	02-06-2001	Asberg	175	300	
	A48	6,179,055	01-30-2001	Sallwasser et al.	166	254.2	
	A49	6,172,010	01-09-2001	Argillier et al.	507	102	
	A50	6,170,573	01-09-2001	Brunet et al.	166	153	
	A51	6,158,531	12-12-2000	Vail, III	175	318	
	A52	6,148,664	11-21-2000	Baird	73	152.38	
Examiner					Date Considered		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. WEAT/0527	Serial No. 10/729,510	
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>					Applicant William Banning Vail, III	Confirmation No.: Unknown	
(Use several sheets if necessary)					Filing Date 12/05/2003	Group 3672	
Examiner Unknown					<b>U.S. Patent Documents</b>		
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A53	6,119,772	09-19-2000	Pruet	166	81.1	
	A54	6,089,323	07-18-2000	Newman et al.	166	381	
	A55	6,082,461	07-04-2000	Newman et al.	166	381	
	A56	6,065,550	05-23-2000	Gardes	175	62	
	A57	6,062,326	05-16-2000	Strong et al.	175	402	
	A58	6,061,000	05-09-2000	Edwards	340	854.6	
	A59	6,059,053	05-09-2000	McLeod	175	258	
	A60	6,059,051	05-09-2000	Jewkes et al.	175	76	
	A61	6,026,911	02-22-2000	Angle et al.	175	24	
	A62	6,000,472	12-14-1999	Albright et al.	166	380	
	A63	5,971,079	10-26-1999	Mullins	166	387	
	A64	5,957,225	09-28-1999	Sinor	175	57	
	A65	5,954,131	09-21-1999	Sallwasser	166	254.2	
	A66	5,950,742	09-14-1999	Caraway	175	57	
	A67	5,947,213	09-07-1999	Angle et al.	175	24	
	A68	5,931,231	08-03-1999	Mock	166	377	
	A69	5,921,332	07-13-1999	Spedale, Jr.	175	415	
	A70	5,921,285	07-13-1999	Quigley et al.	138	125	
	A71	5,913,337	06-22-1999	Williams et al.	138	125	
	A72	5,908,049	06-01-1999	Williams et al.	138	125	
	A73	5,907,664	05-25-1999	Wang et al.	395	86	
	A74	5,894,897	04-20-1999	Vail, III	175	318	
	A75	5,809,549	04-06-1999	Sprehe	175	71	
	A76	5,890,537	04-06-1999	Lavaure et al.	166	285	
	A77	5,860,474	01-19-1999	Stoltz et al.	166	50	
	A78	5,845,722	12-08-1998	Makohl et al.	175	101	
Examiner					Date Considered		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. WEAT/0527	Serial No. 10/729,510	
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>					Applicant William Banning Vail, III	Confirmation No.: Unknown	
(Use several sheets if necessary)					Filing Date 12/05/2003	Group 3672	
<b>U.S. Patent Documents</b>							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A79	5,842,530	12-01-1998	Smith et al.	175	162	
	A80	5,842,149	11-24-1998	Harrell et al.	702	9	
	A81	5,839,519	11-24-1998	Spedale, Jr.	175	57	
	A82	5,839,330	11-24-1998	Stokka	81	57.33	
	A83	5,829,520	11-03-1998	Johnson	166	250.1	
	A84	5,828,003	10-27-1998	Thomeer et al.	174	69	
	A85	5,804,713	09-08-1998	Kluth	73	152.01	
	A86	5,794,703	08-18-1998	Newman et al.	166	381	
	A87	5,785,134	07-28-1998	McLeod et al.	175	258	
	A88	5,769,160	06-23-1998	Owens	166	65.1	
	A89	5,746,276	05-05-1998	Stuart	173	1	
	A90	5,743,344	04-28-1998	McLeod et al.	175	259	
	A91	5,735,348	04-07-1998	Hawkins, III	166	285	
	A92	5,732,776	03-31-1998	Tubel et al.	166	250.15	
	A93	5,720,356	02-24-1998	Gardes	175	62	
	A94	5,711,382	01-27-1998	Hansen et al.	175	52	
	A95	5,667,026	09-16-1997	Lorenz et al.	175	162	
	A96	5,667,023	09-16-1997	Harrell et al.	175	45	
	A97	5,667,011	09-16-1997	Gill et al.	166	295	
	A98	5,662,182	09-02-1997	McLeod et al.	175	258	
	A99	5,662,170	09-02-1997	Donovan et al.	166	358	
	A100	5,661,888	09-02-1997	Hanslik	29	407.02	
	A101	5,651,420	07-29-1997	Tibbitts et al.	175	102	
	A102	5,584,343	12-17-1996	Coone	166	387	
	A103	5,582,259	12-10-1996	Barr	175	73	
	A104	5,560,437	10-01-1996	Dickel et al.	175	40	
Examiner					Date Considered		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. WEAT/0527	Serial No. 10/729,510	
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>					Applicant William Banning Vail, III	Confirmation No.: Unknown	
(Use several sheets if necessary)					Filing Date 12/05/2003	Group 3672	
					<b>U.S. Patent Documents</b>		
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A105	5,553,672	09-10-1996	Smith, Jr. et al.	166	382	
	A106	5,551,521	09-03-1996	Vail, III	175	65	
	A107	5,547,314	08-20-1996	Ames	405	165	
	A108	5,547,029	08-20-1996	Rubbo et al.	166	375	
	A109	5,535,838	07-16-1996	Keshavan et al.	175	374	
	A110	5,535,824	07-16-1996	Hudson	166	207	
	A111	5,497,840	03-12-1996	Hudson	175	72	
	A112	5,472,057	12-05-1995	Winfree	175	57	
	A113	5,452,923	09-26-1995	Smith	285	145	
	A114	5,412,568	05-02-1995	Schultz	364	422	
	A115	5,398,760	03-21-1995	George et al.	166	297	
	A116	5,392,715	02-28-1995	Pelrine	104	138.2	
	A117	5,386,746	02-07-1995	Hauk	81	57.34	
	A118	5,379,835	01-10-1995	Streich	166	181	
	A119	5,368,113	11-29-1994	Schulze-Beckinghausen	175	162	
	A120	5,355,967	10-18-1994	Mueller et al.	175	65	
	A121	5,354,150	10-11-1994	Canales	405	154	
	A122	5,353,872	10-11-1994	Wittrisch	166	250	
	A123	5,343,950	09-06-1994	Hale et al.	166	293	
	A124	5,339,899	08-23-1994	Ravi et al.	166	250	
	A125	5,332,048	07-26-1994	Underwood et al.	175	26	
	A126	5,323,858	06-28-1994	Jones et al.	166	291	
	A127	5,320,178	06-14-1994	Cornette	175	19	
	A128	5,305,830	04-26-1994	Wittrisch	166	250	
	A129	5,297,833	03-29-1994	Willis et al.	294	102.2	
	A130	5,294,228	03-15-1994	Willis et al.	414	22.55	
Examiner					Date Considered		
<p>*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>							

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. WEAT/0527	Serial No. 10/729,510	
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>					Applicant William Banning Vail, III	Confirmation No.: Unknown	
(Use several sheets if necessary)					Filing Date 12/05/2003	Group 3672	
<b>U.S. Patent Documents</b>							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A131	5,291,956	03-08-1994	Mueller et al.	175	67	
	A132	5,285,204	02-08-1994	Sas-Jaworsky	340	854.9	
	A133	5,285,008	02-08-1994	Sas-Jaworsky et al.	174	47	
	A134	5,282,653	02-01-1994	LaFleur et al.	285	110	
	A135	5,271,472	12-21-1993	Leturno	175	107	
	A136	5,255,751	10-26-1993	Stogner	175	203	
	A137	5,255,741	10-26-1993	Alexander	166	278	
	A138	5,234,052	08-10-1993	Coone et al.	166	155	
	A139	5,209,302	05-11-1993	Robichaux et al.	166	355	
	A140	5,197,553	03-30-1993	Leturno	175	57	
	A141	5,191,939	03-09-1993	Stokley	166	379	
	A142	5,186,265	02-16-1993	Henson et al.	175	107	
	A143	5,176,518	01-05-1993	Hordijk et al.	434	37	
	A144	5,176,180	01-05-1993	Williams et al.	138	172	
	A145	5,172,765	12-22-1992	Sas-Jaworsky	166	384	
	A146	5,168,942	12-08-1992	Wydrinski	175	50	
	A147	5,160,925	11-03-1992	Dailey et al.	340	853.3	
	A148	5,156,213	10-20-1992	George et al.	166	297	
	A149	5,148,875	09-22-1992	Karlsson et al.	175	62	
	A150	5,111,893	05-12-1992	Kvello-Aune	175	258	
	A151	5,096,465	03-17-1992	Chen et al.	51	295	
	A152	5,082,069	01-21-1992	Seiler et al.	175	5	
	A153	5,074,366	12-24-1991	Karlsson et al.	175	76	
	A154	5,069,297	12-03-1991	Krueger, deceased et al.	175	65	
	A155	5,060,737	10-29-1991	Mohn	175	104	
Examiner					Date Considered		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. WEAT/0527	Serial No. 10/729,510	
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>					Applicant William Banning Vail, III	Confirmation No.: Unknown	
(Use several sheets if necessary)					Filing Date 12/05/2003	Group 3672	
Examiner Unknown					<b>U.S. Patent Documents</b>		
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A156	5,060,542	10-29-1991	Hauk	81	57.34	
	A157	5,049,020	09-17-1991	McArthur	414	22.51	
	A158	5,027,914	07-02-1991	Wilson	175	406	
	A159	5,022,472	06-11-1991	Bailey et al.	175	195	
	A160	5,009,265	04-23-1991	Bailey et al.	166	118	
	A161	4,997,042	03-05-1991	Jordan et al.	166	379	
	A162	4,962,822	10-16-1990	Pascale	175	258	
	A163	4,921,386	05-01-1990	McArthur	414	22.51	
	A164	4,909,741	03-20-1990	Schasteen et al.	439	13	
	A165	4,880,058	11-14-1989	Lindsey et al.	166	289	
	A166	4,854,386	08-08-1989	Baker et al.	166	289	
	A167	4,843,945	07-04-1989	Dinsdale	81	57.34	
	A168	4,842,081	06-27-1989	Parant	175	23	
	A169	4,840,128	06-20-1989	McFarlane et al.	108	50	
	A170	4,832,552	05-23-1989	Skelly	414	22.54	
	A171	4,813,495	03-21-1989	Leach	175	6	
	A172	4,765,416	08-23-1988	Bjerking et al.	175	71	
	A173	4,762,187	08-09-1988	Haney	175	71	
	A174	4,760,882	08-02-1988	Novak	166	295	
	A175	4,735,270	04-05-1988	Fenyvesi	175	113	
	A176	4,725,179	02-16-1988	Woolslayer et al.	414	22	
	A177	4,691,587	09-08-1987	Farrand et al.	74	493	
	A178	4,676,310	06-30-1987	Scherbatskoy et al.	166	65.1	
	A179	4,671,358	06-09-1987	Lindsey, Jr. et al.	166	291	
	A180	4,686,873	08-18-1987	Lang et al.	81	57.35	
Examiner					Date Considered		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. WEAT/0527	Serial No. 10/729,510	
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>					Applicant William Banning Vail, III	Confirmation No.: Unknown	
(Use several sheets if necessary)					Filing Date 12/05/2003	Group 3672	
<b>U.S. Patent Documents</b>							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A181	4,655,286	04-07-1987	Wood	166	285	
	A182	4,652,195	03-24-1987	McArthur	414	22	
	A183	4,651,837	03-24-1987	Mayfield	175	262	
	A184	4,630,691	12-23-1986	Hooper	175	65	
	A185	4,605,077	08-12-1986	Boyadjieff	175	85	
	A186	4,604,724	08-05-1986	Shaginian et al.	364	478	
	A187	4,589,495	05-20-1986	Langer et al.	166	383	
	A188	4,583,603	04-22-1986	Dorleans et al.	175	324	
	A189	4,580,631	04-08-1986	Baugh	166	208	
	A190	4,545,443	10-08-1985	Wiredal	175	258	
	A191	4,544,041	10-01-1985	Rinaldi	175	57	
	A192	4,534,426	08-13-1985	Hooper	175	65	
	A193	4,474,243	10-02-1984	Gaines	166	362	
	A194	4,472,002	09-18-1984	Beney et al.	308	3.9	
	A195	4,470,470	09-11-1984	Takano	175	260	
	A196	4,463,814	08-07-1984	Horstmeyer et al.	175	45	
	A197	4,460,053	07-17-1984	Jurgens et al.	175	329	
	A198	4,440,220	04-03-1984	McArthur	166	85	
	A199	4,430,892	02-14-1984	Owings	73	151	
	A200	4,413,682	11-08-1983	Callihan et al.	166	382	
	A201	4,408,669	10-11-1983	Wiredal	175	258	
	A202	4,384,627	05-24-1983	Ramirez-Jauregui	175	260	
	A203	4,336,415	06-22-1982	Walling	174	47	
	A204	4,320,915	03-23-1982	Abbott et al.	294	96	
	A205	4,315,553	02-16-1982	Stallings	175	207	
	A206	4,291,772	09-29-1981	Beynet	175	5	
Examiner					Date Considered		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. WEAT/0527	Serial No. 10/729,510	
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>					Applicant William Banning Vail, III	Confirmation No.: Unknown	
(Use several sheets if necessary)					Filing Date 12/05/2003	Group 3672	
<b>U.S. Patent Documents</b>							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A207	4,287,949	09-08-1981	Lindsey, Jr.	166	212	
	A208	4,281,722	08-04-1981	Tucker et al.	175	57	
	A209	4,274,777	06-23-1981	Scaggs	414	22	
	A210	4,262,693	04-21-1981	Giebeler	137	494	
	A211	4,257,442	03-24-1981	Claycomb	137	238	
	A212	4,256,146	03-17-1981	Genini et al.	138	111	
	A213	4,227,197	10-07-1980	Nimmo et al.	343	878	
	A214	4,194,383	03-25-1980	Huzyak	72	245	
	A215	4,175,619	11-27-1979	Davis	166	291	
	A216	4,173,457	11-06-1979	Smith	51	309	
	A217	4,144,396	03-13-1979	Okano et al.	560	246	
	A218	4,142,739	03-06-1979	Billingsley	285	18	
	A219	4,133,396	01-09-1979	Tschirky	175	57	
	A220	4,116,274	09-26-1978	Rankin et al.	166	250	
	A221	4,113,236	09-12-1978	Neinast	254	134.5	
	A222	4,100,968	07-18-1978	Delano	166	315	
	A223	4,085,808	04-25-1978	Kling	175	94	
	A224	4,082,144	04-04-1978	Marquis	166	250	
	A225	4,077,525	03-07-1978	Callegari et al.	214	2.5	
	A226	4,064,939	12-27-1977	Marquis	166	253	
	A227	4,063,602	12-20-1977	Howell et al.	175	7	
	A228	4,054,426	10-18-1977	White	51	309	
	A229	4,049,066	09-20-1977	Richey	175	323	
	A230	4,009,561	03-01-1977	Young	57	6	
	A231	4,006,777	02-08-1977	LaBauve	166	250	
	A232	3,980,143	09-14-1976	Swartz et al.	173	100	
Examiner					Date Considered		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. WEAT/0527	Serial No. 10/729,510	
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>					Applicant William Banning Vail, III	Confirmation No.: Unknown	
(Use several sheets if necessary)					Filing Date 12/05/2003	Group 3672	
<b>U.S. Patent Documents</b>							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A234	3,964,556	06-22-1976	Gearhart et al.	175	45	
	A235	3,945,444	03-23-1976	Knudson	175	92	
	A236	3,933,108	01-20-1976	Baugh	114	.5	
	A237	3,885,679	05-27-1975	Swoboda, Jr. et al.	214	1	
	A238	3,881,375	05-06-1975	Kelly	81	57.35	
	A239	3,870,114	03-11-1975	Pulk, deceased et al.	175	258	
	A240	3,840,128	10-08-1974	Swoboda, Jr. et al.	214	1	
	A241	3,838,613	10-01-1974	Wilms	81	57.34	
	A242	3,808,916	05-07-1974	Porter et al.	81	57.19	
	A243	3,747,675***	07-24-1973	Brown	166	237	
	A244	3,729,057	04-24-1973	Werner	175	262	
	A245	3,692,126	09-19-1972	Rushing et al.	175	259	
	A246	3,656,564	04-18-1972	Brown	175	228	
	A247	3,603,413	09-07-1971	Grill, et al.	175	261	
	A248	3,603,412	09-07-1971	Kammerer, Jr. et al.	175	260	
	A249	3,603,411	09-07-1971	Link	175	259	
	A250	3,559,739	02-02-1971	Hutchison	166	311	
	A251	3,570,598	03-16-1971	Johnson	166	178	
	A252	3,552,510	01-05-1971	Brown	175	261	
	A253	3,552,509	01-05-1971	Brown	175	258	
	A254	3,552,508	01-05-1971	Brown	175	258	
	A255	3,550,684	12-19-1970	Cubberly, Jr.	166	250	
	A256	3,518,903	07-07-1970	Ham, et al.	81	57.16	
	A257	3,392,609	07-16-1968	Bartos	81	57	
	A258	3,380,528	04-30-1968	Timmons	166	14	
Examiner					Date Considered		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)				Docket No. WEAT/0527	Serial No. 10/729,510		
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>				Applicant William Banning Vail, III	Confirmation No.: Unknown		
(Use several sheets if necessary)				Filing Date 12/05/2003	Group 3672		
<b>U.S. Patent Documents</b>							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A259	3,159,219	12-01-1964	Scott	166	156	
	A260	3,123,160	03-03-1964	Kammerer	175	82	
	A261	3,122,811	03-03-1964	Gilreath	24	263	
	A262	3,036,530	05-29-1962	Mills, et al.	104	155	
	A263	2,743,495	05-01-1956	Eklund	22	202	
	A264	2,738,011	03-13-1956	Mabry	166	144	
	A265	2,692,059	10-19-1954	Bolling, Jr.	214	2.5	
	A266	2,668,689	02-09-1954	Cormany	255	35	
	A267	2,650,314	08-25-1953	Hennigh, et al.	310	67	
	A268	2,621,742	12-16-1952	Brown	166	1	
	A269	2,610,690	09-16-1952	Beatty	166	16	
	A270	2,522,444	09-12-1950	Grable	166	16	
	A271	2,214,429	09-10-1940	Miller	166	16	
	A272	1,917,135	07-04-1933	Littell			
	A273	1,842,638	01-26-1932	Wigle			
	A274	2003/0070841		Merecka et al.			11-19-2002
	A275	2003/0056991		Hahn et al.			07-12-2002
	A276	2003/0034177		Chitwood et al.			08-15-2002
	A277	2002/0189863		Wardley			12-21-2000
	A278	2002/0189806		Davidson et al.			06-13-2002
	A279	2002/0162690		Hanton et al.			11-27-2001
	A280	2002/0157829		Davis et al.			04-26-2001
	A281	2002/0134555		Allen et al.			12-07-2001
	A282	2002/0074132		Juhasz et al.			03-03-2000
	A283	2002/0074127		Birckhead et al.			02-22-2001
	A284	2002/0066556		Goode et al.			08-02-2001
Examiner					Date Considered		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.							

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)					Docket No. WEAT/0527	Serial No. 10/729,510	
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>					Applicant William Banning Vail, III	Confirmation No.: Unknown	
(Use several sheets if necessary)					Filing Date 12/05/2003	Group 3672	
<b>U.S. Patent Documents</b>							
*Examiner Initial		Document Number	Issue Date	Applicant(s) Name	Class	Subclass	Filing Date If Appropriate
	A285	2001/0047883		Hanton et al.			02-18-2000
	A286	2001/0042625		Appleton			07-30-2001
	A287	2001/0040054		Haugen et al.			05-04-2001
	A288	2001/0013412		Tubel			01-18-2001
	A289	2001/0000101		Lovato et al.			12-07-2000
	A290	10/618,093					
	A291	10/382,353					
	A292	10/382,080					
	A293	10/335,957					
	A294	10/331,964					
	A295	10/325,636					
	A296	10/319,792					
	A297	10/269,661					
	A298	10/189,570					
	A299	5,613,567					
	A300	6,547,017	04-15-2003	Vail, III	175	379	
	A301	5,836,409	11-17-1998	Vail, III	175	379	
	A302	5,615,747	04-01-1997	Vail, III	175	379	
	A303	5,343,951	09-06-1994	Cowan et al.	166	293	
	A304	4,883,125	11-28-1989	Wilson et al.	166	291	
Examiner					Date Considered		
<p><b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>							

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)				Docket No. WEAT/0527	Serial No. 10/729,510			
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>				Applicant William Banning Vail, III	Confirmation No.: Unknown			
(Use several sheets if necessary)				Filing Date 12/05/2003	Group 3672			
<b>Foreign Patent Documents</b>								
*Examiner Initial		Document Number	Date	Country	Class	Subclass	Translation	
							YES	NO
	B1	WO 02/086287	10-31-2002	WIPO	E21B	47/01	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B2	WO 02/03156	01-10-2002	WIPO	G05B	19/418	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B3	WO 02/03155	01-10-2002	WIPO	G05B	19/4068	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B4	WO 01/94739	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B5	WO 01/94738	12-13-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B6	WO 01/81708	11-01-2001	WIPO	E21B	10/32	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B7	WO 01/79650	10-25-2001	WIPO	E21B	10/60	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B8	WO 01/48352	07-05-2001	WIPO	E21B	23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B9	WO 01/46550	06-28-2001	WIPO	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B10	WO 01/12946	02-22-2001	WIPO	E21B	19/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B11	WO 00/50730	08-31-2000	WIPO	E21B	10/66	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B12	WO 00/28188	05-18-2000	WIPO	E21B	7/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B13	WO 00/37771	06-29-2000	WIPO	E21B	43/10	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B14	WO 00/11311	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B15	WO 00/11310	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B16	WO 00/11309	03-02-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B17	WO 00/05483	02-03-2000	WIPO	E21B	19/16	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B18	WO 98/55730	12-10-1998	WIPO	E21B	23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B19	WO 97/08418	03-06-1997	WIPO	E21B	4/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B20	WO 98/01651	01-15-1998	WIPO	E21B	23/00	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B21	GB 2 357 101	06-13-2001	UK	E21B	7/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B22	EP 1 050 661	11-08-2000	EP	E21B	7/18	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B23	EP 0 571 045	08-19-1998	EP	E21B	7/06	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B24	GB 2 216 926	10-18-1989	UK	E21B	7/20	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B25	SU 1618870	01-07-1991	Russia	E21B	33/14	<input type="checkbox"/>	<input checked="" type="checkbox"/>
	B26	WO 96/28635	09-19-1996	WIPO	E21B	17/14	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Examiner _____						Date Considered _____		
*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.								

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. WEAT/0527	Serial No. 10/729,510
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>		Applicant William Banning Vail, III	Confirmation No.: Unknown
(Use several sheets if necessary)		Filing Date 12/05/2003	Group 3672
<b>OTHER ART</b>			
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.	
	C1	Tarr, et al., "Casing-while-Drilling: The Next Step Change In Well Construction," World Oil, October 1999, pp. 34-40	
	C2	De Leon Mojarro, "Breaking A Paradigm: Drilling With Tubing Gas Wells," SPE Paper 40051, SPE Annual Technical Conference And Exhibition, March 3-5, 1998, pp. 465-472	
	C3	De Leon Mojarro, "Drilling/Completing With Tubing Cuts Well Costs By 30%," World Oil, July 1998, pp. 145-150	
	C4	Littleton, "Refined Slimhole Drilling Technology Renews Operator Interest," Petroleum Engineer International, June 1992, pp. 19-26	
	C5	Anon, "Slim Holes Fat Savings," Journal of Petroleum Technology, September 1992, pp. 816-819	
	C6	Anon, "Slim Holes, Slimmer Prospect," Journal of Petroleum Technology, November 1995, pp. 949-952	
	C7	Vogt, et al., "Drilling Liner Technology For Depleted Reservoir," SPE Paper 36827, SPE Annual Technical Conference And Exhibition, October 22-24, pp. 127-132	
	C8	Jafer, et al., "Discussion And Comparison Of Performance Of Horizontal Wells In Bouri Field," SPE Paper 36927, SPE Annual Technical Conference And Exhibition, October 22-24, 1996, pp. 465-473	
	C9	Boykin, "The Role Of A Worldwide Drilling Organization And The Road To The Future," SPE/IADC Paper 37630, SPE/IADC Drilling Conference, March 4-6, 1997, pp. 489-498	
	C10	Mojarro, et al., "Drilling/Completing With Tubing Cuts Well Costs By 30%," World Oil, July 1998, pp. 145-150	
	C11	Sinor, et al., Rotary Liner Drilling For Depleted Reservoirs," IADC/SPE Paper 39399, IADC/SPE Drilling Conference, March 3-6, 1998, pp 1-13	
	C12	Editor, "Innovation Starts At The Top At Tesco," The American Oil & Gas Reporter, April, 1998, p. 65	
	C13	Tessari, et al., "Casing Drilling – A Revolutionary Approach To Reducing Well Costs," SPE/IADC Paper 52789, SPE/IADC Drilling Conference, March 9-11, 1999, pp. 221-229	
	C14	Santos, et al., "Consequences And Relevance Of Drillstring Vibration On Wellbore Stability," SPE/IADC Paper 52820, SPE/IADC Drilling Conference, March 9-11, 1999, pp. 25-31	
	C15	Silverman, "Novel Drilling Method – Casing Drilling Process Eliminates Tripping String," Petroleum Engineer International, March 1999, p. 15	
	C16	Silverman, "Drilling Technology – Retractable Bit Eliminates Drill String Trips," Petroleum Engineer International, April 1999, p. 15	
Examiner		Date Considered	
<p><b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>			

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. WEAT/0527	Serial No. 10/729,510
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>		Applicant William Banning Vail, III	Confirmation No.: Unknown
(Use several sheets if necessary)		Filing Date 12/05/2003	Group 3672
<b>OTHER ART</b>			
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.	
	C17	Laurent, et al., "A New Generation Drilling Rig: Hydraulically Powered And Computer Controlled," CADE/CAODC Paper 99-120, CADE/CAODC Spring Drilling Conference, April 7 & 8, 1999, 14 pages	
	C18	Madell, et al., "Casing Drilling An Innovative Approach To Reducing Drilling Costs," CADE/CAODC Paper 99-121, CADE/CAODC Spring Drilling Conference, April 7 & 8, 1999, pp. 1-12	
	C19	Tessari, et al., "Focus: Drilling With Casing Promises Major Benefits," Oil & Gas Journal, May 17, 1999, pp. 58-62	
	C20	Laurent, et al., "Hydraulic Rig Supports Casing Drilling," World Oil, September 1999, pp. 61-68	
	C21	Perdue, et al., "Casing Technology Improves," Hart's E & P, November 1999, pp. 135-136	
	C22	Warren, et al., "Casing Drilling Application Design Considerations," IADC/SPE Paper 59179, IADC/SPE Drilling Conference, February 23-25, 2000 pp 1-11	
	C23	Warren, et al., "Drilling Technology: Part I – Casing Drilling With Directional Steering In The U.S. Gulf Of Mexico," Offshore, January 2001, pp. 50-52	
	C24	Warren, et al., "Drilling Technology: Part II – Casing Drilling With Directional Steering In The Gulf Of Mexico," Offshore, February 2001, pp. 40-42	
	C25	Shepard, et al., "Casing Drilling: An Emerging Technology," IADC/SPE Paper 67731, SPE/IADC Drilling Conference, February 27-March 1, 2001, pp. 1-13	
	C26	Editor, "Tesco Finishes Field Trial Program," Drilling Contractor, March/April 2001, p. 53	
	C27	Warren, et al., "Casing Drilling Technology Moves To More Challenging Application," AADE Paper 01-NC-HO-32, AADE National Drilling Conference, March 27-29, 2001, pp. 1-10	
	C28	Shephard, et al., "Casing Drilling: An Emerging Technology," SPE Drilling & Completion, March 2002, pp. 4-14	
	C29	Shephard, et al., "Casing Drilling Successfully Applied In Southern Wyoming," World Oil, June 2002, pp. 33-41	
	C30	Forest, et al., "Subsea Equipment For Deep Water Drilling Using Dual Gradient Mud System," SPE/IADC Drilling Conference, Amsterdam, The Netherlands, February 27, 2001-March 01, 2001, 8 pages	
	C31	"World's First Drilling With Casing Operation From A Floating Drilling Unit, September 2003, 1 page	
	C32	Filippov, et al., "Expandable Tubular Solutions," SPE paper 56500, SPE Annual Technical Conference And Exhibition, October 3-6, 1999, pp. 1-16	
Examiner		Date Considered	
<p><b>*EXAMINER:</b> Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.</p>			

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. WEAT/0527	Serial No. 10/729,510
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>		Applicant William Banning Vail, III Confirmation No.: Unknown	
(Use several sheets if necessary)		Filing Date 12/05/2003	Group 3672
Examiner Unknown			

**OTHER ART**

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.
	C33	Lohefer, et al., "Expandable Liner Hanger Provides Cost-Effective Alternative Solution," IADC/SPE Paper 59151, IADC/SPE Drilling Conference, February 23-25, 2000, pp. 1-12
	C34	Daigle, et al., "Expandable Tubulars: Field Examples Of Application In Well Construction And Remediation," SPE Paper 62958, SPE Annual Technical Conference And Exhibition, October 1-4, 2000, pp. 1-14
	C35	Dupal, et al., "Solid Expandable Tubular Technology – A Year Of Case Histories In The Drilling Environment," SPE/IADC Paper 67770, SP:E/IADC Drilling Conference, February 27-March 1, 2001, pp. 1-16
	C36	Coronado, et al., "Development Of A One-Trip ECP Cement Inflation And Stage Cementing System For Open Hole Completions," IADC/SPE Paper 39345, IADC/SPE Drilling Conference, march 3-6, 1998, pp. 473-481
	C37	Fuller, et al., "Innovative Way To Cement A Liner Utilizing A New Liner String Liner Cementing Process," IADC/SPE Paper 39349, IADC/SPE Drilling Conference, March 3-6, 1998, pp. 501-504
	C38	Coronado, et al., "A One-Trip External-Casing-Packer Cement-Inflation And Stage-Cementing System," Journal Of Petroleum Technology, August 1998, pp. 76-77
	C39	Camesa, Inc., "Electromechanical Cable," December 1998, pp. 1-32
	C40	The Rochester Corporation, "Well Logging Cables," July 1999, 9 pages
	C41	Quigley, "Coiled Tubing And Its Applications," SPE Short Course, Houston, Texas, October 3, 1999, 9 pages
	C42	"World Oil's Coiled Tubing handbook," Gulf Publishing Co., 1993, p. 3, p. 5, pp. 45-50
	C43	Sas-Jóworsky, et al., "Development Of Composite Coiled Tubing For Oilfield Services," SPE Paper 26536, SPE Annual Technical Conference And Exhibition, October 3-6, 1993, pp. 1-15
	C44	Hallundbaek, "Well Tractors For Highly Deviated And Horizontal Wells," SPE paper 028871, SPE European Petroleum Conference, October 25-27, 1994, pp. 57-62
	C45	Leising, et al., "Extending The Reach Of Coiled Tubing Drilling (thrusters, Equalizers And Tractors)," SPE/IADC Paper 37656, SPE/IADC Drilling Conference, March 4-6, 1997, pp. 677-690
	C46	Bayfiled, et al., "Burst And Collapse Of A Sealed Multilateral Junction: Numerical Simulations," SPE/IADC Paper 52873, SPE/IADC Drilling Conference, March 9-11, 1999, 8 pages

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. WEAT/0527	Serial No. 10/729,510
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>		Applicant William Banning Vail, III	Confirmation No.: Unknown
(Use several sheets if necessary)		Filing Date 12/05/2003	Group 3672
Examiner Unknown			

**OTHER ART**

*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.	
	C47	Marker, et al. "Anaconda: Joint Development Project Leads To Digitally Controlled Composite Coiled Tubing Drilling System," SPE paper 60750, SPE/ICOTA Coiled Tubing Roundtable, April 5-6, 2000, pp 1-9	
	C48	Bullock, et al., "Using Expandable Solid Tubulars To Solve Well Construction Challenges In Deep Waters And Maturing Properties," IPB Paper 275 00, Rio Oil & Gas Conference, October 16-19, 2000, pp. 1-4	
	C49	Cales, et al., "Subsidence Remediation – Extending Well Life Through The Use Of Solid Expandable Casing Systems, AADE Paper 01-NC-HO-24, American Association Of Drilling Engineers, March 2001 Conference, pp. 1-16	
	C50	McSpadden, et al., "Field Validation Of 3-Dimensional Drag Model For Tractor And Cable-Conveyed Well Intervention," SPE Paper 71560, SPE Annual Technical Conference And Exhibition, September 30 – October 3, 2001, pp. 1-8	
	C51	Coats, et al., "The Hybrid Drilling Unite: An Overview Of an Integrated Composite Coiled Tubing And Hydraulic Workover Drilling System," SPE Paper 74349, SPE International Petroleum Conference And Exhibition, February 10-12, 2002, pp. 1-7	
	C52	Sander, et al., "Project Management And Technology Provide Enhanced Performance For Shallow Horizontal Wells," IADC/SPE Paper 74466, IADC/SPE Drilling Conference, February 26-28, 2002, pp. 1-9	
	C53	Coats, et al., "The Hybrid Drilling System: Incorporating Composite Coiled Tubing And Hydraulic Workover Technologies Into One Integrated Drilling System," IADC/SPE Paper 74538, IADC/SPE Drilling Conference, February 26-28, 2002, pp 1-7	
	C54	Editor, "New Downhole Tractor Put To Work," World Oil, June 2000, pp. 75-76	
	C55	Henderson, et al., "Cost Saving Benefits Of Using A Fully Bi-Directional Tractor System," SPE/Petroleum Society Of CIM Paper 65467, SPE/Petroleum Society Of CIM International Conference On Horizontal Well Technology, November 6-8, 2000, pp. 1-3	
	C56	Editor, "Shell Runs Smart Robot Tractor," Hart's E & P, October 2002, p. 28	
	C57	Galloway, "Rotary Drilling With Casing – A Field Proven Method Of Reducing Wellbore Construction Cost," Paper WOCD-0306092, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-7	
	C58	Evans, et al., "Development And Testing Of An Economical Casing Connection For Use In Drilling Operations," paper WOCD-0306-03, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-10	

Examiner	Date Considered
----------	-----------------

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.

U.S. Department of Commerce, Patent and Trademark Office (PTO Form 1449 modified)		Docket No. WEAT/0527	Serial No. 10/729,510
<b>LIST OF PATENTS AND PUBLICATIONS CITED BY APPLICANT</b>		Applicant William Banning Vail, III	Confirmation No.: Unknown
(Use several sheets if necessary)		Filing Date 12/05/2003	Group 3672
	Examiner Unknown		
<b>OTHER ART</b>			
*Examiner Initial		Including Author, Title, Date, Pertinent Pages, Etc.	
	C59	Fontenot, et al., "New Rig Design Enhances Casing Drilling Operations In Lobo Trend," paper WOCD-0306-04, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-13	
	C60	McKay, et al., "New Developments In The Technology Of Drilling With Casing: Utilizing A Displaceable DrillShoe Tool," Paper WOCD-0306-05, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-11	
	C61	Sutriono – Santos, et al., "Drilling With Casing Advances To Floating Drilling Unit With Surface BOP Employed," Paper WOCD-0307-01, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-7	
	C62	Vincent, et al., "Liner And Casing Drilling – Case Histories And Technology," Paper WOCD-0307-02, World Oil Casing Drilling Technical Conference, March 6-7, 2003, pp. 1-20	
	C63	Maute, "Electrical Logging: State-of-the Art," The Log Analyst, May-June 1992, pp. 206-27	
	C64	Tessari, et al., "Retrievable Tools Provide Flexibility for Casing Drilling," Paper No. WOCD-0306-01, World Oil Casing Drilling Technical Conference, 2003, pp. 1-11	
Examiner		Date Considered	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with your communication to applicant.